ZIEGLER CHEMICAL
Ute-32 Gilsonite Mine

## Executive Summary

In lieu of an executive summary for the Ute-32 Gilsonite Mine, the Division submits to the Board a section from the environmental assessment that is presently being prepared.

The section of the environmental assessment that is submitted adequately describes Ziegler Chemical's operation. The Mining and Reclamation Plan was received on December 7th 1977 and the site was inspected on February 7th 1978. Since crews are awaiting to work, a Declaration of Exemption covering the initial shaft, stockpile and road was accepted by the Division on the stipulation that less than two (2) acres are disturbed and a $4,489.70 bond is posted. Meanwhile, the Division will continue with the standard approval process for the entire project. Tentative approval will be issued after the Environmental Coordinating Committee has reviewed the environmental assessment

During operations all mining activities will be conducted in a safe and orderly manner. Soil will be segregated and stockpiled for reclamation purposes. Ore and waste will be placed in designated areas.

After operations all buildings, machinery, and debris will be removed or buried. All shafts and mine vents will be sealed with concrete to prevent unauthorized entry. All gilsonite will be removed from the surface and the area regraded to conform with the local topography. To the extent, possible stockpiled soil will be respread over the area affected, the area scarified, fertilized, and reseeded with a grass-shrub mixture recommended by the Utah Division of Oil, Gas, and Mining.

Reclamation will begin as each section of the area is no longer used for production. Each shaft when no longer used will be properly sealed. Stockpiles, roads, and associated disturbance will be reclaimed when they are no longer needed and new facilities are constructed. The initial shaft, stockpile, and road are covered by a reclamation bond held by the Utah Division of State Lands. The bond may be adjusted in the future as required.

ZIEGLER CHEMICAL
UTE-32 MINE
EXECUTIVE SUMMARY

## II Description of Proposed Action

Ziegler Chemical and Mineral Corporation by surface geologic mapping has outlined the extent of a vertical gilsonite vein trending approximately southeast to northwest through Section 32, Township 11 South, Range 25 East, Uintah County, Utah. An exploratory drilling program was not undertaken. Workable gilsonite ore is estimated to occur at the base of the exposed Parachute Creek member and through 760 feet of the underlying Douglas Creek member of the Green River Formation. Approximately 155 feet of the Wastach Tongue occuring within the Douglas Creek member will also be encountered.

The mining method to be employed is a modified open stope method typical of Uintah Basin gilsonite mines. It is estimated that five (5) shafts will be needed to complete the operation. The first shaft will be located in SW¼ SE¼ of Section 32 and subsequent shafts will be sunk along the vein at intervals of approximately 1200 feet. The shafts will be of the three (3) compartment type sunk along the width of the vein, 16 feet in length. Mining will utilize a 75 horsepower airlift and chipping hammers, using conventional hoist and tipple. Adequate cap rock will be left in place to prevent caving of the surface, and the shafts will be sealed with concrete at termination of operations.

Traffic movement to and from the proposed mine will be by an existing road located in a canyon bottom leaving Utah Highway 45 and going approximately 8,171 feet across Sections 28 and 33 of Township 11 South, Range 25 East, and Section 32 of Township 11 South, Range 25 East. A 30 foot wide road right-of-way on BLM administered land has been applied for. The proposed upgraded access-haul road will be an 18 foot crown road (9 foot either side of the centerline) with drain ditches along either side of the proposed road where determined necessary to handle runoff. Back slopes along the cut areas of the road will be 1½ to 1 slopes and will be terraced. The grade of the road will be 8 percent or less. The road will be constructed from native borrow accumulated during construction. As the road is narrow, turnouts will be constructed if deemed necessary.

The mining operation will consist of (2) three man crews (2 men underground, and 1 on the surface hoist) working in three shifts. It is estimated that the operation will produce 50 tons of gilsonite daily. The ore will be transported at a rate of three trips per day, 15 tons to the load, from the proposed mine site to Little Bonanza, Utah. The ore will be covered by a tarp. Most of the ore will be hauled as mining takes place. However, a 100 ton stockpile will be needed. Surface runoff will be diverted from the stockpile by a trapezoidal ditch designed to handle runoff occuring from the 10-year 24-hour precipitation event. All waste rock will be left in the mine and dust produced by the mining process will be minimal.

Equipment that will be at the site will include a dozer for road maintenance, a skid-mounted hoist house, a 1½ yard front-end loader, a dump truck, a 100 horsepower compressor, a hoist, a 75 horsepower airlift, and two (2) generators.